



mag

2817

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

GÖTTL, M. et al.

Atty. Ref.: 265-106; Confirmation No. 6122

Appl. No. 10/049,809

Group: 2817

Filed: February 19, 2002

Examiner: Lee, Benny T.

For: HIGH-FREQUENCY PHASE SHIFTER UNIT

* * * * *

March 30, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

ATTACHMENT TO AMENDMENT

INFORMATION DISCLOSURE MATERIALS

INFORMATION DISCLOSURE
CITATION

265-106

10/049,809

Applicant

GÖTTL, M. et al.

Filing Date

TC/A.U.

February 19, 2002

2817

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1,764,441	6/1930	Hahnnemann			
	1,806,755	5/1931	Hansell			
	2,245,660	10/1938	Feldman et al			
	2,247,666	7/1941	Potter			
	2,248,335	7/1941	Burkhart			
	2,272,431	2/1942	Rankin			
	2,300,576	11/1942	Klein			
	2,462,881	3/1949	Marchetti			
	2,496,920	2/1950	Seeley			
	2,535,850	12/1950	Hammond			
	2,565,334	8/1951	Wingarden			
	2,566,897	9/1951	Koenig			
	2,583,747	1/1952	Potter			
	2,594,115	4/1952	Berney			
	2,597,424	5/1952	Znaidukas			
	2,599,048	6/1952	Dicke			
	2,605,413	7/1952	Alvarez			
	2,642,567	6/1953	Kimball et al			
	2,648,000	08/1953	White			
	2,668,920	2/1954	Barrett			
	2,711,527	6/1955	Barrett			
	2,736,854	2/1956	Will			
	2,745,994	5/1956	Dicke et al			
	2,787,169	4/1957	Farr et al			
	2,789,190	4/1957	Statham			
	2,794,162	5/1957	Lifsey			
	2,797,374	6/1957	Atton et al			
	2,815,501	12/1957	Benson et al			
	2,825,240	3/1958	Gray			
	2,830,292	4/1958	Young			
	2,831,169	04/1958	Casal			
	2,851,620	9/1958	Hausen			
	2,861,235	11/1958	Chadowski et al			
	2,872,631	2/1959	Blauvelt et al			
	2,900,154	8/1959	Schweim			
	2,922,941	1/1960	Hensler et al			
	2,939,335	6/1960	Braund et al			
	3,005,985	10/1961	Cohn et al			
	3,008,140	11/1961	Rose			
	3,043,998	7/1962	Lunn et al			
	3,205,419	9/1965	Voigt			

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

BEST AVAILABLE COPY

8121

**INFORMATION DISCLOSURE
CITATION**

(Use several sheets if necessary)

App. Docket No.

265-106

Applicant

GÖTTL, M. et al.

Filing Date

February 19, 2002

Serial No.

10/049,809

TC/A.U.

2817

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,248,736	4/1966	Bohar			
	3,276,018	9/1966	Butler			
	3,277,481	10/1966	Robin et al			
	3,316,469	4/1967	Dicke			
	3,438,035	4/1969	Fling et al			
	3,491,363	1/1970	Young, Jr.			
	3,508,274	4/1970	Kesler et al			
	3,527,993	9/1970	Ticknor			
	3,728,733	4/1973	Robinson			
	3,826,964	7/1974	Byrne			
	3,864,689	2/1975	Young			
	3,886,559	5/1975	Lanson et al			
	3,886,560	5/1975	Mortensen et al			
	4,077,000	2/1978	Grubbs			
	4,101,902	7/1978	Trigon			
	4,163,235	7/1979	Schultz			
	4,263,539	4/1981	Barton			
	4,301,397	11/1981	Journey			
	4,314,250	2/1982	Hanell et al			
	4,316,195	2/1982	Steffek et al			
	4,335,388	6/1982	Scott et al			
	4,413,263	11/1983	Amitay et al			
	4,460,897	7/1984	Gans			
	4,467,328	8/1984	Hacker			
	4,496,890	1/1985	Wurdack et al			
	4,542,326	9/1985	Hornback			
	4,543,583	9/1985	Wurdack			
	4,617,572	10/1986	Hugo			
	4,694,773	9/1987	Sparkes et al			
	4,796,032	1/1989	Sakurai et al			
	4,862,179	8/1989	Yamada			
	4,882,587	11/1989	Vodopia			
	5,012,256	04/1991	Maddocks			
	5,021,798	6/1991	Ubhayakar			
	5,038,148	8/1991	Aoki et al			
	5,077,560	12/1991	Horton et al			
	5,084,708	1/1992	Champeau et al			
	5,093,923	3/1992	Leslie			
	5,099,247	3/1992	Basile et al			
	5,151,704	09/1992	Gunmar et al			
	5,151,706	9/1992	Roederer et al			

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

BEST AVAILABLE COPY

**INFORMATION DISCLOSURE
CITATION**

(Use several sheets if necessary)

App. Docket No.

265-106

Applicant

GÖTTL, M. et al.

Filing Date

February 19, 2002

Serial No.

10/049,809

TC/A.U.

2817

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,175,556	12/1992	Berkowitz			
	5,241,319	8/1993	Shimizu			
	5,272,477	12/1993	Tashima et al			
	5,281,975	1/1994	Hugo			
	5,300,935	4/1994	Yu			
	5,303,240	04/1994	Borras et al.			
	5,339,083	8/1994	Inami			
	5,504,466	04/1996	Chan-Son-Lint et al.			
	5,504,937	4/1996	Kangas			
	5,539,413	7/1996	Farrell et al.			
	5,572,219	11/1996	Silverstein et al			
	5,596,329	01/1997	Searle et al.			
	6,239,744	5/2001	Singer et al			
	6,538,619	03/2003	Heinz et al.			
	6,567,051	05/2003	Heinz et al.			
	6,590,546	07/2003	Heinz et al.			
	6,600,457	07/2003	Heinz et al.			
	2003/0048230A1	03/2003	Heinz et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AU-B-41625/93	06/1993	Australia			
80,057/94		Australia			
AU-B-36226/95	5/1998	Australia			
AU-B 38746/93	7/1993	Australia			
0 156 294	10/1985	Europe			
0 466 080 A1	1/1992	Europe			
0 575 808 A1	12/1993	Europe			
0 579 407 B1	1/1994	Europe			
0 600 715 B1	6/1994	Europe			
0-616-741 B1	9/1994	Europe			
0 618 639 A2	10/1994	Europe			
0 639 035 A1	2/1995	Europe			
0 682 820 B1	11/1995	Europe			
789 938A1	8/1997	Europe			
789 938A4	4/1999	Europe			
1 239 534A2	9/2002	Europe			
1 239 535A2	9/2002	Europe			

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

BEST AVAILABLE COPY

INFORMATION DISCLOSURE
CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO.

Serial NO.

265-106

10/049,809

Applicant

GÖTTL, M. et al.

Filing Date

TC/A.U.

February 19, 2002

2817

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
1 239 536A2	9/2002	Europe				
1 239 538A2	9/2002	Europe				
959,833	4/1950	France				
70.39506	8/1971	France				
2 603 426	03/1988	France				
1 044 789	11/1963	Great Britain				
1 029 865	5/1966	Great Britain				
1 175 365 A	12/1969	Great Britain				
1 271 346 A	4/1972	Great Britain				
1 314 693	4/1973	Great Britain				
1 470 884 A	4/1977	Great Britain				
2 034 525 A	6/1980	Great Britain				
1 577 939 A	10/1980	Great Britain				
2 044 567 A	10/1980	Great Britain				
2 161 026 A	1/1986	Great Britain				
1 505 074 A	3/1978	Great Britain				
2 262 009 A	6/1993	Great Britain				
DE 26 25 062 A1	12/1977	Germany				
DE 39 02 739 A1	08/1990	Germany			Abstract	
DE 584 383	9/1933	Germany				
DE 827 085 B	1/1952	Germany				
DE 907 193 B	3/1954	Germany				
DE 908 748	4/1954	Germany				
DE 945 261	7/1956	Germany				
DE 1 768 660	6/1958	Germany				
DE 1 033 280	7/1958	Germany				
DE 1 826 656	2/1961	Germany				
DE 1 133 775	7/1962	Germany				
DE 1 293 251	4/1964	Germany				
DE 2 249 806	4/1973	Germany				
DE 2 207 894	8/1973	Germany				
DE 2 359 846	6/1974	Germany				
DE 26 31 273	1/1978	Germany				
DE 29 21 712	12/1979	Germany				
DE 29 38 370	4/1980	Germany				
DE 28 55 623 A1	7/1980	Germany				
DE 29 51 875 C2	7/1980	Germany				
DE 31 34 219 A1	3/1983	Germany				
DE 34 25 351 C2	1/1985	Germany				
DE 35 22 404 A1	1/1987	Germany				
DE 38 31 994 A 1	3/1990	Germany				

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

BEST AVAILABLE COPY

812f

**INFORMATION DISCLOSURE
CITATION**

(Use several sheets if necessary)

App. Docket No.

265-106

Applicant

GÖTTL, M. et al.

Filing Date

February 19, 2002

Serial No.

10/049,809

TC/A.U.

2817

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
DE 38 39 945 A1	5/1990	Germany				
DE 39 34 716 A1	4/1991	Germany				
DE 39 37 294 A1	5/1991	Germany				
DE G 91 08 641.8	10/1991	Germany				
DE 31 02 110 A1	8/1992	Germany				
DE 42 01 933 C2	7/1993	Germany				
DE 42 42 803 A1	7/1993	Germany				
02 132 926	05/1990	Japan (English Abstract only)				
06 334 428		Japan				
57-184303	11/1982	Japan			Abstract	
63-6906	01/1988	Japan			Abstract	
1-140802	6/1989	Japan				
03 057 305 A	3/1991	Japan (English Abstract)				
7-79476	3/1991	Japan				
3-85906	4/1991	Japan				
3-151701	6/1991	Japan				
4-196904	7/1992	Japan				
5-37222	2/1993	Japan				
3-279795	5/1993	Japan				
5-121902	5/1993	Japan				
6-125216	5/1994	Japan				
6-204738	7/1994	Japan				
6-232621	8/1994	Japan				
6-268429	9/1994	Japan				
06-326 501	11/1994	Japan			X	
06-326 502	11/1994	Japan				
5-110283	11/1994	Japan				
5-110284	11/1994	Japan				
6-326501	11/1994	Japan				
6-338717	12/1994	Japan				
7-170121	7/1995	Japan				
07-245579	9/1995	Japan			X	
7-318627	12/1995	Japan				
8-32341	2/1996	Japan				
8-172388	7/1996	Japan				
10-508730		Japan (see WO-96-14670)				
204,522		New Zealand				
208,213		New Zealand				
219,746		New Zealand				
220,276		New Zealand				
235,010		New Zealand				

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

8121

BEST AVAILABLE COPY

INFORMATION DISCLOSURE CITATION

265-106

10/049,809

Applicant

GÖTTTL, M. et al.

Filing Date

TC/A.U.

February 19, 2002

2817

(Use several sheets if necessary)

FOREIGN PATENT DOCUMENTS

[illegible]

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE
CITATION

Applicant

GÖTTL, M. et al.

Filing Date

TC/A.U.

(Use several sheets if necessary)

February 19, 2002

2817

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Japanese Book "Antenna for Broadcasting and radio wave transmission" 4/20/1973 by NHK (Nihon Hoso Kyokai)
	Japanese Book "Illustrated mobile communication antenna system" 10/10/96 by Fujimoto
	Japanese Book "Antenna Engineering" 9/30/69 Endo et al
	Mobile Telephone Panel Array (MPTA) Antenna : Field Adjustable Downtilt Models" Australia 5/1994
	Mobile Telephone Panel Array Antenna - MTP890-8-E
	Mobile Telephone Panel Array Antenna - MTP890-4-E
	Mobile Telephone Panel Array Antenna - MTP890-8-EF
	"Design Specification for Premium antenna with EDT and AS" Telecom Australia 9/1993
	Kumar Fixed and mobile terminal antennas 1991 Artech House, Inc.
	Publication "Phased array antennas" p. 219-220 Cheston "Beam Steering of Planar Phased Arrays
	* News of higher education establishments, Radio electronics. Technical-scientific journal Higher Education Ministry of USSR, Kiev, 1985-1991
	* Measuring Technique. Monthly scientific-technical journal. State Committee of USSR on standards. Moscow, Standards publishing house, 1985-1990.
	* Radio. Popular monthly radio technical magazine. Moscow, 1987-1996
	* Radio Technic. Scientific-technical journal. Popov Radio Technic, Electronics and Communication Societ. Moscow, publishing house "Radioand Communications," 1985-1995
	* Radio Engineering and Electronics. Academy of Sciences of USSR, Moscow, "Nauka," 1985-1995
	* Electric Communication. Monthly scientific-technical journal. Communication Ministry of USSR and Popov RadioTechnic. Electronics and Communication Society. Moscow, publishing house "Radio and Communications," 1987-1995
	* Monthly scientific-technical journal. Electrical Engineering Ministry and Krzyzanovski Center. Moscow, "Energoatomizdat," 1985-1995
	Phased Antenna array, M.B. Zakson, Great Soviet Encyclopedia, 3rd edition, Moscow. "Sovetskaya Entsiklopediya, 1977, Vol. 27, Ulyanovsk-Frankfurt, page 182-184
	Phased Antenna arrays, Antennas. A.L. Drabkin, Ye. B. Korenberg. Moscow, "Radio i svyaz." 1992 (Popular library, issue 1173), Chapter 9 "Antenna arrays," pages 109-114
	Antenna arrays with phase scanning. Antennas of radiolocation stations. V.G. Glagolevski, Yu. A. Shishov. Moscow, "Voenizdat," 1977. -n Chapter [2]: Antenna arrays, pages 44-48. Radiolocation technique
	Phased Antenna arrays. Antennas. Manual for students of radio engineering higher educational establishments. G.T. Markow, D.M. Sazonov, 2nd edition. Moscow, "Energiya," 1975. Chapter 14 "Scanning Antenna arrays," pages 462-468
	Kumm et al 1983 Phasengesteuerte Planarantennengruppen fur den Empfangsbereich um 12 Gigahertz

* These documents not available to the undersigned.

*Examiner		Date Considered	
-----------	--	-----------------	--

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 809; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.